

Historic Badge Number Issued In Y-12 December 1

John S. McMurray, Accounting and Budget, transferred in from K-25 December 1.

O. K. so what, big news? Little did McMurray suspect when he came to Y-12 that he would become a landmark his first day in the plant. His badge number was 60000!

That doesn't mean that 60,000 men and women have come and gone through our portals through the years. Security is quick to warn. It simply means that many badge numbers have been assigned. (The entire series in the 13,000 range was saved for the U. S. Army during the war, we're told.)

But McMurray does have an easy one to remember . . . and it is sort of an historic landmark. Badge number 50,000 was given out more than 20 years ago. (The employee is no longer here.)

A native of Akron, Ohio, John is a 15-year veteran with Carbide despite his low badge number. Prior to coming to K-25 May 5, 1952, he was employed by the Tennessee Burley Tobacco Growers Association, Greeneville; and the J. A. Jones Company here in Oak Ridge. He is a veteran of the



John S. McMurray

U. S. Navy, serving from 1944 until 1946.

Married to the former Edna Ruth Butler, McMurray enjoys his Route 1, Kingston home.

He likes to fly (has a pilot's license naturally) and also likes to hunt in his spare time.

Congratulations, Badge 60000.

It makes us all feel a little older and a little more like a real veteran to know that our own badge number is so much lower than that now.

Maryland's Marion Is Physics Seminar Guest

J. B. Marion, University of Maryland, will conduct this week's Physics Division seminar. His subject will be "Precision Accelerator Beam Energy Measurements and a New Method to Determine the Proton Magnetic Moment."

The seminar is set for Thursday, December 14, at 2:15 p.m., in the East Auditorium of ORNL's 4500 building.

Bulletin Holiday Schedule Is Given

Next week's Bulletin will be the final issue of 1967. There will be no paper the week of December 27.

The next paper after 1967's will be issued Wednesday, January 3.

Dead-line for next week's paper is tomorrow, 3 p.m., Thursday, December 14.

UCC Veterans Are Honored By Dinner

Friday, December 1, was the final night that Y-12 will see only a few at Old-Timers Night! Next year the group will welcome 155 Y-12ers into its midst!

During 1967, Y-12 gained one old-timer, and retired one. Alex Varlan, Product Engineering, whose hiring-in date was October 26, 1942, was welcomed to the group recently. (H. B. Davis, who came with Carbide June 22, 1930 retired from Y-12 June 30, 1967.)

There are five other Y-12ers currently enjoying status in the 'Old-Timers' Club.

They are:

Dan Rader, who came in January 5, 1930.

D. W. Harrigan, whose continuous services date goes back to September 15, 1934.

T. I. Sloan, who joined Union Carbide August 31, 1936.

E. A. Pluhar, who came aboard March 1, 1939.

R. W. Forseman, whose Carbide 'birthday' is June 15, 1941.

But, as stated before, 1968 will see the gates let down. Beginning in March, when Leo F. Hemphill is admitted, the following number of old-timers will be welcomed in from Y-12 . . . in May . . . three . . . in June five; July 17; August 23; September 20; October 32; November 31 . . . and in December 23 . . . for a total of 155.

Next year's anniversary column will include the 25-year veterans.

DEFINITION OF A NAP

'A nap, my friend, is a brief period of sleep which overtakes superannuated persons when they endeavor to entertain unwelcome visitors or to listen to scientific lectures.' G. B. Shaw.



ALEX VARLAN, LEFT, is welcomed into the Old-Timers Club by Jack M. Case, Y-12 deputy superintendent. Varlan celebrated his 25 years with Union Carbide Corporation October 26, this year. The year 1967 will be the last year Y-12 has only a few in the veteran status. An estimated 155 are to cross over next year!

Time Running Out For Ticket Application

Recreation says be there on time for those parties next week. Only a few tickets remain to be given out . . . and the deadline for ordering them is Friday, December 15.

The kids' parties are set for Thursday, December 21.

Have you ordered yours yet?

Ward Bandy Photo Will Be Published

Ward Bandy, head of the Photographic Department in Y-12, has had one of his award-winning photographs selected for publication in the December issue of **The Professional Photographer**. The magazine is directed to some 40,000 professional cameramen all over the world.

His photograph entitled "Fiberglass Filaments" was originally selected by the Professional Photographers of America, Inc. for display at the 1967 International Exhibition of Professional Photography in Portland, Oregon. Over 900 winning photos were displayed at the exhibit, but only 27 of these have been accepted for publication in the magazine.

Bandy is a member of PP of A, and his photographic specialty is industrial applications and designs. His photographs have appeared throughout the Bulletin for several years.

Forum Cites CBS-TV '21st Century' Series

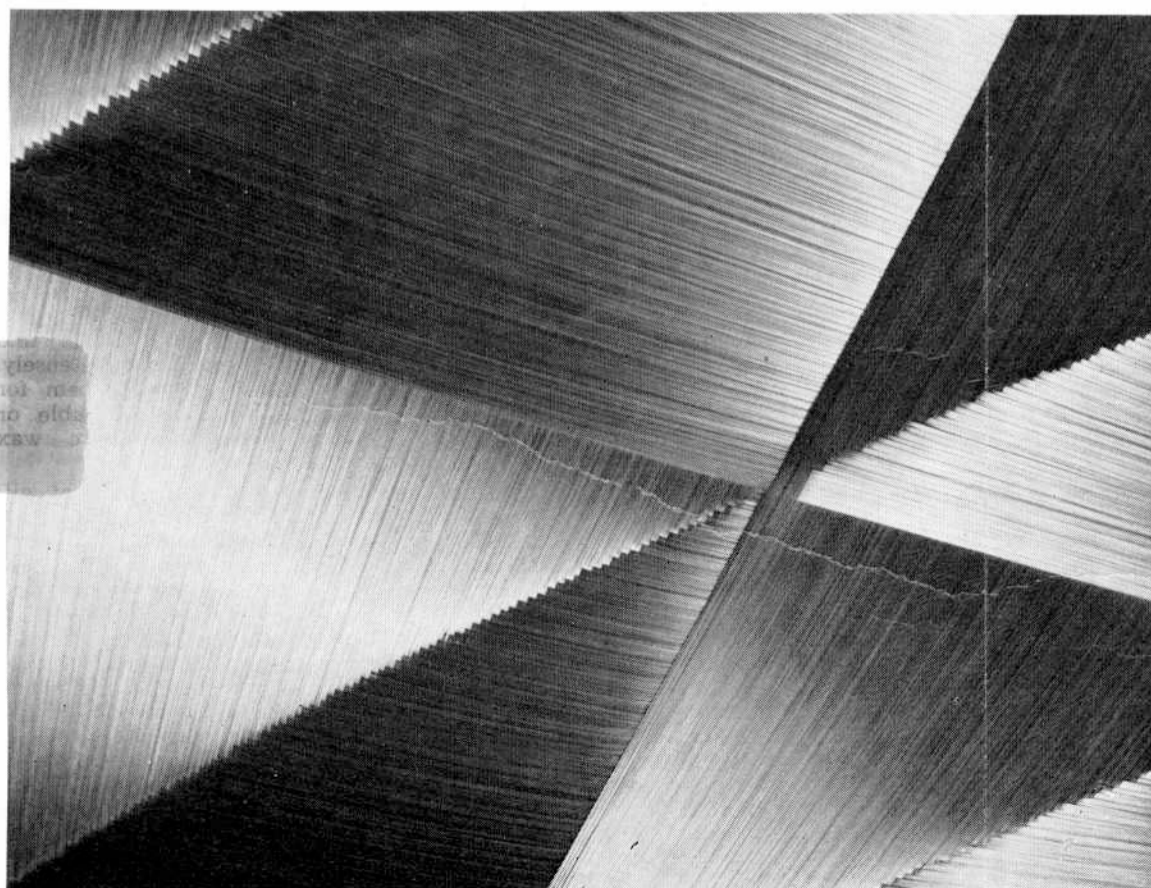
The Atomic Industrial Forum has honored the "21st Century" television series. CBS News, which produces the series, sponsored by Union Carbide, was cited for "its significant contributions to public understanding of atomic energy," in ceremonies in Chicago, November 9. The segment of the series entitled "The Mighty Atom" was praised for its "highly significant contribution to better understanding of the benefits of the atom."

SERVE WITH LOVE

The term "love" in tennis scoring originated from the mispronunciation of the French word "l'oeuf," meaning the "egg" — which, of course, is the vernacular for "zero."

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
73 Days Or
2,234,000 Man-Hours
(Unofficial Estimate)
Through December 10
Without a Disabling
Injury
Safety At Home
At Work, At Play



'FIBERGLASS FILAMENTS' A PHOTOGRAPH BY WARD BANDY will appear in December's The Professional Photographer. The Y-12 photo was displayed at the Professional Photographers of America International Exhibition in Portland, Oregon recently.

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

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Katy Kutkost
SEZ:

When it comes to saving taxpayers' dollars, it's ethical to get your ideas any place. One such idea was plucked from an ORNL circular which solves a problem with direct dialing off-net telephone numbers and getting the wrong party. If for some unknown reason you can't go FTS and have to go commercial, do it like you do at home when you get a wrong number. To save the cost of the call, ask the receiving party what number and city you have reached and pass the information to Mr. Carney at 3-4281. This way you will be sure you are not billed for the "wrong" number.

But the time you read this there will be two weeks left in this cost reduction report period. As of December 12, 1967, we have received 250 green sheets. This is a "wrong number," short by about 470 of our goal. It's unethical not to report savings.

DEADLINE December 13, 1967.

Heart Attack Is Number One Killer

Heart attack is the greatest single cause of death in the United States. It takes a life every minute of the day. Each year it kills 500,000 Americans and disables hundreds of thousands in their most productive years.

Death rates from other forms of heart and circulatory disease are going down. But as indications show, the death rate from heart attack is going up.



OLD SLEEPY-HEAD William Rhode Brandon is the grand-son of Paul Brandon, Machine Tool Engineering. He was born October 20, to Paul and Bette Brandon Jr., Enon, Ohio.



Mr. and Mrs. Martin Allison Kent

LASL's Ribe Speaker At Thermonuclear Meet

Tomorrow's Thermonuclear Division seminar will feature Dr. Fred L. Ribe, Los Alamos Scientific Laboratory. His subject will be "Scyllac."

The seminar is set tomorrow, Thursday, December 14, at 9 a.m. in the TD Conference Room, Building 9201-2.

Potter Son Named To 'Who's Who'



Marcus B. Potter Jr.

Marcus B. Potter Jr., whose father is in Y-12's Chemical Services, has been named to the "Who's Who Among Students in American Universities and Colleges." Marcus is a senior at Tennessee Technological University, Cookeville.

Students selected for "Who's Who" honors are among the top campus leaders. They are chosen on the basis of excellence and sincerity in scholarship, leadership and participation in extracurricular activities and promise of usefulness to business and society.

Young Potter is a member of the senior class at Tech majoring in history. He will be honored in a special section of the college yearbook and in ceremonies here later in the school year.

The Potter home is in Kingston.

CHROME DOME

A bushy-haired youngster was coming down a stairway behind a middle-aged gentleman. "Say, Dad, do you know that you're growing up through your hair?"



KENT—ROWLAND

Glenwood Baptist Church, Oak Ridge, was the scene of the wedding of Miss Mary Elizabeth Rowland and Mr. Martin Allison Kent. The couple was married Saturday, November 18, at 4 p.m. with the Reverend James Winter officiating.

The bride is the daughter of Mr. and Mrs. Billie E. Rowland, 113 East Arrowwood Avenue, Oak Ridge (and her father is in Y-12's 9766 Machine Shop.) The groom is the son of Mr. and Mrs. Bernard G. Kent, Falls Church, Virginia.

Given in marriage by her father, the bride wore a gown of peau de soie with a pearl and alencon lace ming tree pattern on the skirt. Her bouffant veil of silk illusion was held by a cap of peau and lace orchids. She carried white carnations centered by a white orchid.

Miss Jeanette Jenkins, Oak Ridge, was maid-of-honor... and other attendants were Misses Deborah Kent, Falls Church, sister of the groom, and Sandra Meadows, Oak Ridge. They wore cranberry floor length sheaths.

Bernard G. Kent was his son's best man and ushers were Mike Ketman, Oak Ridge, and Jim Eldrod, Jefferson City.

A reception honored the couple at the church after the rites. Attending at the reception were Janelle Jenkins, Linda Mann, Kathy Byrne and Dorothy Jones, while Patricia Jenkins kept the guest book.

Mrs. Kent, a 1965 graduate of Oak Ridge High School, attended the University of Tennessee and was employed at Oak Ridge National Laboratory.

The groom attended U.T. and graduated from Old Dominion Technological Institute. He is now serving in the U. S. Navy, stationed at Norfolk, Virginia, aboard the U. S. S. John King.

After a honeymoon in Gatlinburg, the couple is at home in Norfolk, Virginia.



The long days of winter come now, as the old year treads out its weary stance. More Y-12ers celebrate important dates with Union Carbide Corporation. Congratulations.

20 YEARS

Lee F. Kennedy, Process Maintenance, December 17.

15 YEARS

Roy M. Martin, Buildings, Grounds and Maintenance Shops, December 15.

Buford W. Rea, Chemical Services, December 15.

10 YEARS

Robert B. Barker, H-2 and F-Area Shops, December 16.

John E. Brady, Machine Maintenance, December 16.

Maxie F. Dukes, Alpha Five Machine Shop, December 16.

Franklin O. Hixon, A-2 Shops, 9212, December 16.

John H. Householder, Dimensional Inspection, December 16.

Hubert G. Overton Jr., Beta Four Heavy Machine Shop, December 16.

The security spotlight is on you.



AN UNUSUAL CHRISTMAS TREE is this one, which uses no electricity. The bells are made of plastic cups, covered with aluminum foil. Safety experts warn that electricity should not be used on the new metallic trees, because of the shock danger.

Fire May Be Unwelcome Guest In Home During Excitement Of Holidays

Hundreds of American homes had a visitor last Christmas that was not only unwelcome but dangerous.

It was fire.

Fires in Christmas trees and decorations not only spoiled the holiday in these homes, but the damage put a \$652 strain on each family's Christmas budget, on the average, according to National Fire Protection Association figures.

Far more serious, the lives of children and parents alike were seriously endangered by these fires.

These facts, reported by the international fire safety organization, show that Christmas is a time to be more—not less—heedful of fire dangers. Many of our traditional Christmas customs—trees, colored lights, decorations, Yule logs in the fireplace—add substantially to a home's fire hazards.

Sometimes a combination of active children and preoccupied parents brings the one moment of carelessness which is all that fire needs.

For a fire-safe Christmas in your home, follow these rules:

Trees: For a natural tree (fir, spruce, pine), pick a firm-needed, fresh-looking one, no bigger than you need—the larger the tree the greater the hazard. Saw off the butt at an angle an inch or more above the original cut. Stand the tree in water until it is brought into the house, keep it in water until it goes out. Don't rely on chemical coatings or solutions to "flameproof" your tree; none is truly effective. Support it well. Locate it away from radiators or fireplaces, and never where it might block your escape in case of fire. Take it out of the house just as soon as possible after Christmas.

Metal trees, for all practical purposes, won't burn but they conduct electricity. So use only indirect lighting; lighting strings

on the tree may create a dangerous shock hazard.

Plastic and metalized plastic trees will burn; use only ones clearly marked as made of slow-burning materials. Those with built-in electrical systems should carry the Underwriters' Laboratories (UL) label to show they have been tested for electrical safety.

Lights: Check lighting sets for frayed wires, loose connections and broken sockets. Never use wax candles on or near the tree. Make sure tree and other inside decorative lights are turned off before retiring or leaving the house. For outdoor lighting, use only sets listed for outdoor use by the Underwriters' Laboratories. When setting up or adjusting keep power off to avoid shock hazard.

Decorations: Use noncombustible decorating materials (metal, glass, asbestos, etc.) where possible. If combustible—like flocking—be sure they are "flame-proofed." Untreated cotton batting, polystyrene foam and paper ignite easily, burn intensely. Don't use polystyrene foam for candle holders or for table or mantle decorations were wax candles are also used.

Wrappings: Dispose of gift wrappings promptly. Don't burn them in the fireplace.

And: Watch your smoking habits* around the tree—a lighted cigarette or match can start it burning. Most of all, plan in advance escape routes and other actions needed for the life safety of your family in case of fire.

(*Or better still give up smoking. To demonstrate the 'power of the press' after the November 15th article on smoking by Bill Crow, the Bulletin's editor gave up smoking!)

DIETING AID

Act of desperation: Shave before weighing! It will cut down on poundage slightly!



THE RODDERS ARE STIFF COMPETITION for any comers in the C Bowling League every Monday night. In the front row, from left, are Ernest Ely, Captain J. F. May and Kenneth Wright. In the back row are R. B. Amos and Ted Burnett.

Beavers, Old Men Pace Volleyballers

Y-12's Beavers and the Old Men, from ORNL, are the only undefeated teams thus far in the Volleyball League, as two fell from the ranks last week.

On Court A the K-25 Hawks began the action by downing the Naughts 15-2, 15-9, 15-3 and 15-13. The Dirty Half-Dozen took three games 15-0, 15-6, 15-13 from the Charley Browns. (Good Grief, the C. B.'s won number two 15-13!) The Old Men defeated the Mountaineers 15-3, 15-0, 15-2, 15-1.

Meanwhile on Court B, the Ecobums started like a house afire by downing the Set-Ups 15-7 . . . then lost three as the Set-Ups won 15-3, 15-8, 15-12. The Neophytes defeated the Gashouse Gang 15-11, 15-10, 15-9 . . . and the GH Gang won number four 16-14. The Beavers bested the Mix-Ups 15-4, 15-2, 15-2 and 15-9.

League standings follow:

Team	W	L
Beavers, Y-12	12	0
Old Men, ORNL	12	0
Dirty Half Dozen, ORNL	11	1
Ecobums, ORNL	9	3
Set-Ups, ORNL	6	6
K-25 Hawks	5	7
Neophytes, Y-12	4	8
Naughts, ORNL	4	8
Mountaineers, Y-12	3	9
K-25 Mix-Ups	2	10
Charley Browns, ORNL	2	10
K-25 Gashouse Gang	2	10

Pistol Marksmanship Course Set Again

A basic pistol marksmanship course, sponsored by the Oak Ridge Sportsmen's Association, will begin at 7 p.m. January 12 at ORSA's indoor range. The course consists of six two-hour classes and will be supervised by an NRA-certified instructor. The course given in October and November could not accommodate all those interested, so it is being given again.

This course is designed for beginners, men and women, and will emphasize hand gun safety. Enrollment is limited to 20 students who must be 16 years or older.

Rounders, Big Five Move In C League

The Rounders and Big Five edged up in C League standings to threaten the Fireballs last week. The Big Five took four from the Royal Flush, while the Rounders routed the Fireballs for three. The King Pins kayoed the Invalids for four, and the Parbustlers plastered the Sunflowers, and the Rodders rolled over the Rollmasters, both for four.

Norm Jarvis, Big Five, rolled a new high for the league . . . a 255 single game . . . boosted to a 265 handicap single. His 635 scratch series was high . . . and Red Halsey, Sunflowers, rolled a 679 handicap series.

The Big Five hit highs in singles . . . 942 scratch, 1054 handicap . . . and a scratch series of 2678, another new high. Their 3014 handicap series tied with the Parbustlers who rolled the same score.

League standings follow:

Team	W	L
Fireballs	33	19
Rounders	32	20
Big Five	31	21
King Pins	28	24
Sunflowers	27	25
Badgers	27	25
Royal Flush	25	27
Rollmasters	24	28
Parbustlers	24	28
Rodders	22	30
HiLifers	21	31
Invalids	18	34

Rains Delay December Skeet Shoot One Week

Rainy weather cancelled the Skeet Tournament Sunday, December 10. The December shoot-out will be held Sunday, December 17 . . . same time, same station . . . 1 p.m. at the Oak Ridge Sportsman's Association Range. You'uns come.

For students not owning one, 22-caliber pistols will be provided.

A \$2 fee will be charged for non-ORSA members. Further information may be obtained from Vernon Raaen, extension 3-6973, or Oak Ridge telephone 483-5767.

HP Team Leads Basketball League

Y-12's Eagles began Basketball action last week by trouncing the TK's 66 to 43.

Larry McDonald paced the Eagles with 22 through the bucket; Fred Wetzel scored 11, Bill Kirksey and Red East 10 each.

For the losers Doug Raymer rallied with 27.

The Bombers blasted their way over the Radioisotopes team 39 to 21 in Monday's second big game. Roy Nabors nailed 10 points for the winners, Herm Thomas nine. For the losers, it was Joe Crunk with six.

The final action of the Monday schedule saw the Sharp Shots edge by the Bat Boys 33 to 31.

Ed Bailiff, Dan Ramey and Bob McCulley, all scored eight points for the ORNL team. Hugh Beeson led the Y-12ers with 12 points, and Doug Roberts scored six.

Wednesday's play opened as the Chargers pushed their way past the Combustion team 40 to 33. It looked as if it were the Combustion vs. Leffler for the first half as Ray scored 12 of the 15 points in the first half. The tempo picked up during the second half, as Dirksen and Hendricks came forward.

Leffler ended up scoring 20 points. For the losers it was Jim McCall, Curtis McGinnis and Junior Hood all scored six for the losers.

The Health Physics team kept their record clean with an easy win over Y-12's Atoms 63 to 39.

The Atoms were game, and tried hard but the height and experience were too much. Larry Finch and Jim Treadwell paced the HP's with 16 and 13 points respectively. Big Jim Williams led the Atoms with 21 points.

The TK's, ORNL, took the Falcons 51 to 32 in final action of the week.

Too much rebounding ability spelled the difference, as the TK's controlled both boards.

Richard Hudson led the scoring . . . 16 big ones . . . Doug Raymer next with 10. For the losers, it was Churchill Moore, with 11.

League standings follow:

Team	W	L
Health Physics, ORNL	4	0
Bombers, ORNL	2	0
Eagles, Y-12	2	1
Chargers, Y-12	2	1
TK's, ORNL	2	1
Combustion, Y-12	1	2
Radioisotope, ORNL	1	2
Sharp Shots, ORNL	1	2
Atoms, Y-12	0	2
Bat Boys, Y-12	0	3

Mixed League Goes Into Final Rolls

With final games scheduled tonight . . . and position roll-offs next Wednesday, the Mixed League gets down to serious bowling. Last week the Rollers pushed their scoring to take four over the Alley Cats, and the Twisters tore four from the Goofers.

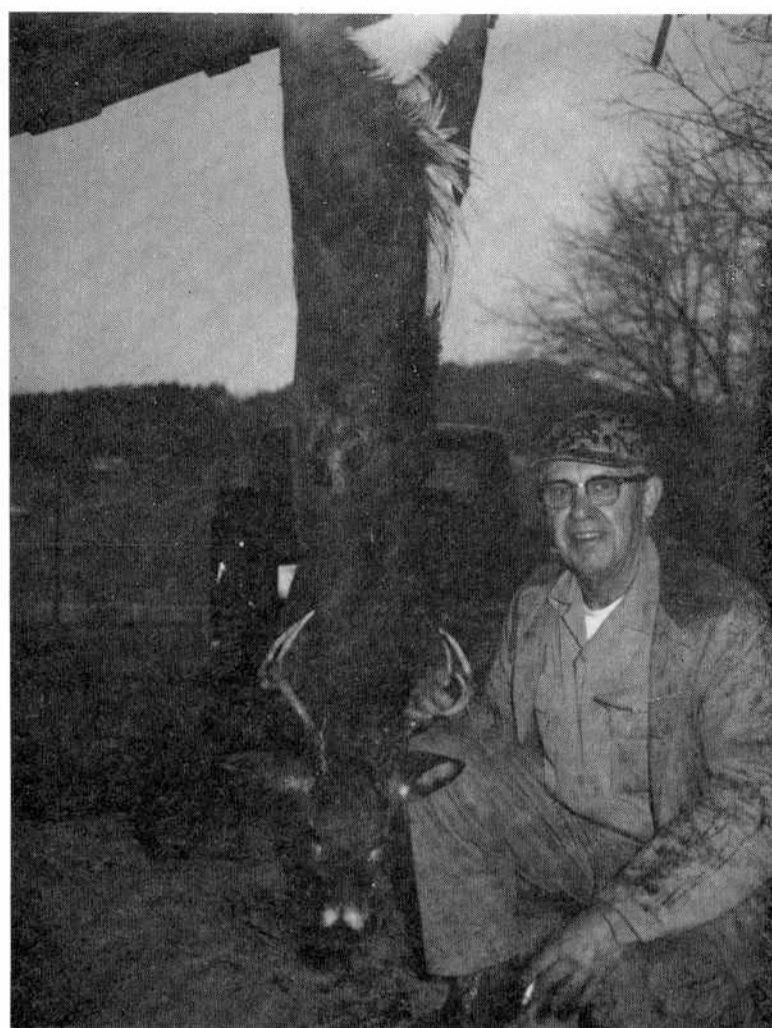
Posting three it was the Hits & Misses over the Roses 'N Thorns, and the McSprays over the Mustangs by the same count.

Ernest Ely, Mustangs, mustered high male scores with singles of 235, 258 handicap . . . series of 563, 632. Ethel Spray, McSprays, rolled all women's highs with singles of 207 scratch, 247 handicap . . . series of 545, 665!

The McSprays took all team honors . . . singles of 655, 809 . . . series of 1906, 2368.

League standings follow:

Team	W	L
Hits & Misses	32	20
McSprays	30	22
Rollers	29½	22½
Goofers	27	25
Roses 'N Thorns	27	25
Alley Cats	25	27
Mustangs	22	30
Twisters	15½	36½



J. M. SINCLAIR, Buildings, Grounds and Maintenance Shops, traveled all the way over to Lake Lure, North Carolina, section for this nine-point buck. He killed it over the Thanksgiving holidays on private property . . . and the animal dressed out to 205 pounds. Sinclair says the dog is not part of the hunting act as hunting deer with dogs is illegal in North Carolina, same as Tennessee.

Recreation



calendar

Monday, December 18

BOWLING: C League, 5:45 p.m., Ark Lanes. Position Roll-Off.

TABLE TENNIS: 7 p.m. Oak Ridge Wildcat's Den.

PHYSICAL FITNESS: (For Women) 7:30 p.m. Oak Ridge High School Girls' Gym.

BASKETBALL: Beginning 6:30 p.m., Oak Ridge High School Gym. ORNL Bombers vs. ORNL Combustion; K-25 Falcons vs. Sharp Shots; K-25 Eagles vs. Y-12 Chargers.

Tuesday, December 19

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gym.

Wednesday, December 20

BOWLING: Mixed League, 8 p.m., Ark Lanes. Position Roll-Off.

BASKETBALL: Beginning 6:30 p.m., Oak Ridge High School. Y-12 Atoms vs. Combustion; Health Physics vs. TK's; Radioisotopes vs. Y-12 Bat Boys.

Thursday, December 21

CARBIDE KIDS PARTIES: 9, 11 a.m. and 1, 3, 5 p.m.

BADMINTON: Informal Play, Employees and Spouses, 7:30 p.m., Jefferson Junior High School Gym.

BOWLING: Classic League, 5:45 p.m., Ark Lanes.

Monday, December 25

CHRISTMAS DAY: Holiday for Y-12ers.

CENSUS DODGERS

The first census of the United States showed a national population of 3,929,214 people in 17 states. It was not an accurate count, however, since many citizens dodged the census-takers thinking they were to be interviewed for future tax-listings.

Table-Tennis Men Begin 2nd Half

Geoffrey Newman keeps a slate clean in the X Table Tennis League after a three point win last week over Bill Foutz.

Roy Huddleston downed Bill Motley for two, as did Herb Mook past Jerry Keyes.

Herve Derrien defeated Foutz for two, and Lloyd Wyatt defeated Derrien for two.

X League standings:

Player	W	L
Geoffrey Newman	6	0
Roy Huddleston	5	1
Herb Mook	3	3
Bill Motley	3	3
Herve Derrien	3	3
Lloyd Wyatt	2	4
Jerry Keyes	1	5
Bill Foutz	1	5

Bob Coveyou and Gordon Brewer are tied for lead in the Y League . . . after Coveyou defeated Rokuro Oyamada for three and Brewer downed Fred Wetzel for the full count.

Ed Gambill defeated Al Norris for two.

Y League standings:

Player	W	L
Bob Coveyou	5	1
Gordon Brewer	5	1
Ed Gambill	3	3
Al Norris	3	3
Paul Kasten	3	0
Rokuro Oyamada	0	3
Francois Kertesz	0	3
Fred Wetzel	0	3
Bob Brown	0	0
Art Weinberger	0	0

Z Leaguers are dominated by Bill Hackett and Bill Smith . . . both with three point wins over Jim Hallau and Tudor Boyd respectively.

No other action was played.

Z League standings:

Player	W	L
Bill Hackett	3	0
Bill Smith	3	0
Jim Hallau	0	3
Tudor Boyd	0	3
Joe Lewin	0	0
Winfred Collins	0	0
A. B. Meserve	0	0
Dave Allen	0	0

ONE MUST WORK

'One must work, if not from taste, then at least from despair. For, to reduce everything to a single truth: work is less boring than pleasure.' J. Pieper.



B. L. SKEEN, Gage Laboratory, coached this Little League baseball team to heights last summer . . . taking them all the way to the finals in the state tournament, where they fell to Johnson City 5 to 4. The Inskip-Norwood All Stars are, front row, from left, Benny Thackston, son of H. B. in Beta Two; Mike Solomon, Alan Cox, Stan Loy (son of Bobby Loy, ex-Y-12er); Lee Beeler, and Kim Henry. Assistant Manager Dale Cox is in the rear, Billy Smith, Chuckie Herman, Buster Skeen, son of B. L., David Bunch, Tommy Grahl, and Mike Huskisson (son of Gene, A-2 Shops, 9212).

Classic Alley Lead Up For Grabs Still

The Has Beens moved back up to tie the All Stars for the lead in the Classic Bowling race last week, thanks to a four-point sweep over the Splinters. The Bumpers knocked the Screwballs off for the only other sweep of the night. Taking three it was the Swingsters over the Eightballs, the Tigers over the Markers, the Smelters past the Playboys, the Cubs past the Eagles and the Rippers 'round the Rebels.

Sharing two were the Pinbusters and All Stars.

Otis Rackley, Swingsters, rolled a 242 single game, pushed to a 263 handicap. Sewell Brown, Has Beens, posted high series counts with a 583 scratch, 640 handicap tally.

The Bumpers put a 918 scratch single score on the boards, while the Rebels rounded out a 1032 handicap single. The Bumpers series scoring was superior with 2703 scratch, 2982 handicap.

League standings follow:

Team	W	L
All Stars	35	17
Has Beens	35	17
Rebels	34	18
Bumpers	33½	18½
Swingsters	33	19
Playboys	27	25
Eightballs	27	25
Tigers	26	26
Markers	25½	26½
Smelters	24	28
Splinters	23	29
Eagles	22	30
Pinbusters	21½	30½
Cubs	21½	30½
Rippers	20	32
Screwballs	8	44

Analyzer Contract Signed With Navy

Union Carbide Corporation has been awarded a contract by the U. S. Navy for environmental instruments to monitor the atmosphere in submarines, it has been announced by Kenneth Rush, president.

The devices, known as total hydrocarbon analyzers, will be built to Navy specifications by the instrument department of Union Carbide's Electronics Division at White Plains, New York. The analyzer is a military version of a gas chromatograph, a sensitive measuring instrument in which Union Carbide has pioneered over the years.

Installed in the closed environment of a submarine, the total hydrocarbon analyzer will detect and record as many as 11 different atmospheric components, both singly and in various combinations.

Bethel Valley Road Is Improved To Relieve Traffic Congestion In Solway Bridge Area

There's good news for many Y-12 commuters! Improvement's to a one-and-a-half-mile stretch of Bethel Valley Road have been completed to aid traffic flow in the Oak Ridge area.

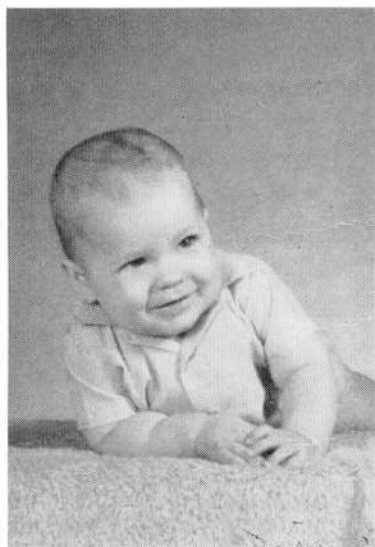
The roadway has been widened to three lanes between the intersection of Bethel Valley and Scarboro Road near the Agricultural Research Laboratory and the intersection of Edgemore Road and the Oak Ridge Highway at the northern end of Solway Bridge.

Temporarily, this section of highway will have two lanes of east bound traffic (toward Knoxville) and one lane west bound, pending the results of a traffic flow study under way by the State Highway Department. Later a reversible lane arrangement with traffic lights may be required. The State will make recommendations to the City of Oak Ridge based on its study.

The State widened the road segment from the old Kerr Hollow Gate House, eastward, and the Atomic Energy Commission, through its construction contractor, Rust Engineering Company, completed improvements from the Gate House westward.

Teen-Agers Need Not Be Poor Drivers, NSC Says

Teen-age drivers need not be poor drivers, says the National Safety Council. It is youth's lack of experience that leads to errors in judgment. Driver education courses aid in developing judgment and a sense of responsibility necessary to safe driving. Studies indicate that teens who have had formal driving education have fewer traffic accidents and violations than others.



GORDON MADISON MARTIN is the newly adopted son of Al and Mayo Martin. A. G. is in Y-12's Special Services. Gordon was five and a half months old when the Martins found him. They live in Kingston Heights, Kingston. Mayo worked in K-25 before the adoption.

Harris Sister Is Feted In Memphis

The C. E. Harrises (Fuzz is in Research Services and Liz is in Special Services) received some happy news last week. Liz's sister, Ruth . . . or Mrs. Hoyt Crenshaw Jr. was named Woman of the Year by the Memphis Kiwanis.

No small wonder either. Mrs. Crenshaw, a surgeon's wife, and mother of four, her activities would keep anyone busy. Besides keeping house, her first love, Ruth also is vitally interested in the Mental Health Society, of which she is a director; the Alicia Garden Club; the Second Presbyterian Church; Central High School Parent-Teacher Association; the Brooks Art Gallery League; Front St. Theatre's Dress Circle; Arts Council Fund drive, and the Ballet Society. She also works as an election official in her precinct. She represented the 15 Medical Auxiliaries of the state as the sole woman member of the legislative committee of Tennessee Medical Society.

Mrs. Crenshaw is a graduate of the University of Tennessee School of Nursing.

Dirty, Defective Stoves Constitute Winter Hazard

Dirty, defective stoves and heaters cause the deadliest dwelling fires. They take about 2,000 lives yearly, National Fire Protection Association figures show.

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'Dear Liar' Is First Studio Production

The first Studio Theatre production of the Oak Ridge Playhouse's current season is a dramatic reading entitled, "Dear Liar." Performances are scheduled for Friday, Saturday and Sunday, December 15, 16 and 17, at 8:20 p.m.

"Dear Liar" is a comedy of letters, based on correspondence between the famous actress, Mrs. Patrick Campbell (to be portrayed by Virginia White) and dramatist George Bernard Shaw (played by Wallace Koehler).

Tickets will go on sale at the box office at the Playhouse today at 10 a.m.

Members of the Playhouse may pick up their free tickets, non-members may pay a nominal fee for tickets. Student discount rates will be made available for "Dear Liar." Further information may be obtained by contacting Mr. Koehler, or Mrs. Peter F. Dittner.

TODAY IS CASH

Time, that essence of which life is made, is defined by the banker as: "Yesterday is a cancelled check, forget it. Tomorrow is a promissory note. Today is ready cash. Spend it wisely."

'Dark Of Moon' Try-Outs Monday

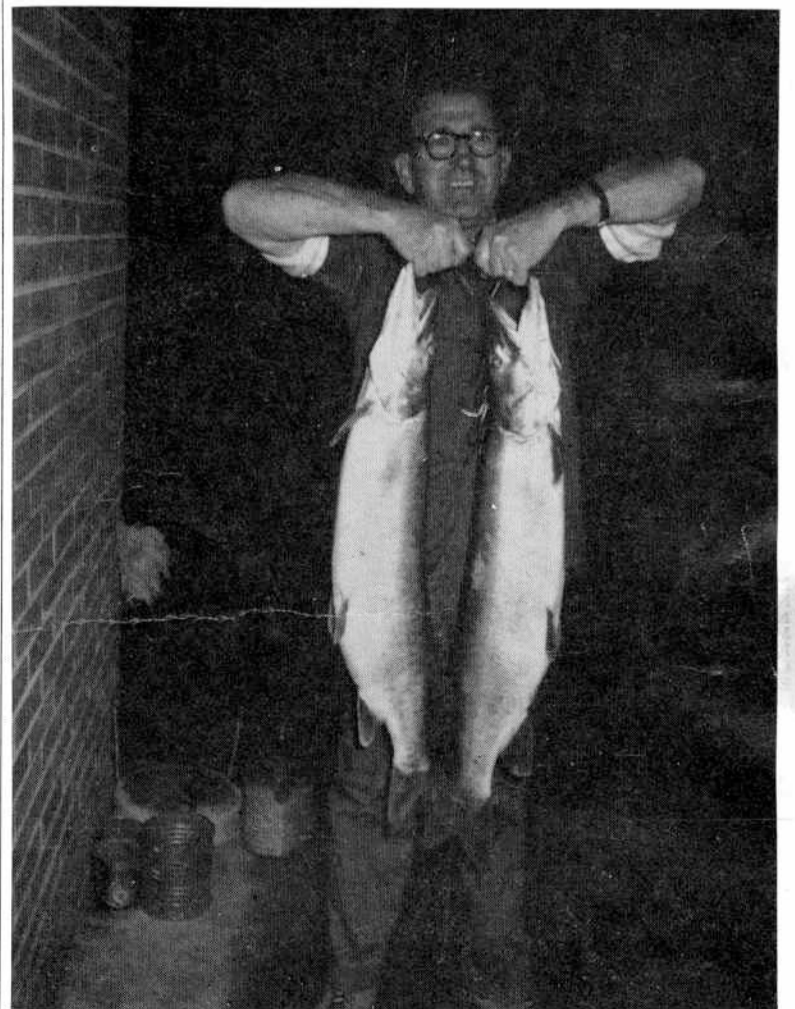
'Dark of the Moon' try-outs will be held next Monday, December 18. The readings begin at 7:30 p.m. at the Oak Ridge Playhouse, Jackson Square. Director Paul Ebert considers the drama one of the most unusual and entertaining plays he has ever seen.

A total of 13 men from 15 to 60 and 11 women from 19 on up are needed for the roles of Barbara Allan, the lovely Smoky Mountain lass of ballad fame, her husband, the witch-boy John who tries to become a human being for her, the mountain preacher who exhorts Barbara to give up her love, plus the beautiful and diabolical witches who lure John back to them, and all the people of the community who live in fear and superstition. Guitar strummers, ballad singers, and fiddle players are all needed for this most unusual folk drama with music.

Special tryouts may be arranged for those who cannot attend Monday. Telephone 483-6193, or 483-1224.

A SPECIALIST

A specialist is a medical doctor who has trained his patients to be ill during office hours.



SAFETY'S ERNIE BENTLEY took a day's vacation recently, and pulled two monster muskellunge from the waters of Norris Lake. They both weighed 14 pounds, and Ern says he thinks he'll make trophies from both of them. The Great Northern Pikes or muskies were four years old, the safetyman thinks. Looks like the muskie will replace the wall-eye in popularity at Norris, doesn't it? They get bigger, for one thing.